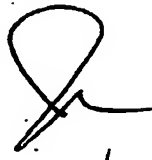




**PART OF PAPER #3**  
**Patent References Submitted by William L. Lundy to John G. Premo, Esq.**  
**Re: In-Situ Subsurface Decontamination Method (From Provisional 60/256,534)**

4,294,703	10/1981	Wilms et al.	210/631
4,321,143	3/1982	Wilms et al.	210/631
4,370,241	1/1983	Junkermann et al.	210/759
4,591,443	5/1986	Brown et al.	210/747
4,604,214	8/1986	Carr et al.	210/759
4,724,084	2/1988	Pahmeier et al.	210/709
4,804,480	2/1989	Jayawant	210/759
5,043,080	8/1991	Cater et al.	210/748
5,264,018	11/1993	Koenigsberg	71/63
5,266,214	11/1993	Safarzedeh-Amiri	210/748
5,286,141	2/1994	Vigneri	405/128
5,395,419	3/1995	Farone	71/63
5,520,483	5/1996	Vigneri	405/128
5,525,008	6/1996	Wilson	405/128
5,611,642	3/1997	Wilson	405/128
5,610,065	3/1997	Kelly et al.	435/264
5,741,427	4/1998	Watts et al.	210/747
5,955,350	9/1999	Soni et al.	435/264
5,967,230	10/1999	Cooper et al.	166/245
6,268,205	7/2001	Kiest, et al.	301/087

all considered



6/27/03

**Publication References Submitted by William L. Lundy to John G. Premo, Esq.  
Re: In-Situ Subsurface Decontamination Method (From Provisional 60/256,534**

- Barbeni et al.; "Chemical Degradation of Chlorophenols with Fenton's Reagent"; Chemosphere, vol. 16, pp. 2225-2237, 1987
- Bowers et al.; "Treatment of Toxic or Refractory Wastewaters with Hydrogen Peroxide"; Water Science & Technology, vol. 21, pp. 477-486, 1989
- Brown et al.; "Competition between chelating agents and roots as factors affecting absorption of iron and other ions by plant species;" Plant Physiology, vol. 35, pp.878-886, 1960
- Gates et al.; "In Situ Chemical Oxidation of Trichloroethylene Using Hydrogen Peroxide"; Journal of Environmental Engineering, vol. 121, pp. 639-644, 1995
- Halvorson et al.; "Equilibrium Relationships of Metal Chelates in Hydroponic Solutions"; Soil Science Society America Journal; vol. 36, pp.755-761, 1972
- Hill et al.; "Rates of Solution of Limestone Using the Chelating Properties of Versene (EDTA) Compounds"; Kansas State Geological Survey, Bulletin No. 165, Part 7, 1963
- Hill et al.; "Solubility of Twenty Minerals in Selected Versene (EDTA) Solutions"; Kansas State Geological Survey, Bulletin No. 175, Part 3, 1965
- Kim et al.; "Enhancing Biological Treatability of Landfill Leachate by Chemical Oxidation"; Environmental Engineering Science, vol. 14, pp. 73-79, 1997
- Lindsay et al.; "Development of a DTPA Soil Test for Zn, Fe, Mn and Cu"; Soil Science Society America Journal; vol. 42, pp.421-428, 1978
- Lindsay; "Chemical Equilibria in Soils"; chap. 15, 449 p., John Wiley & Sons, 1979
- Lipczynska-Kochany et al.; "Influence of some Groundwater and Surface Water Constituents on the Degradation of 4-Chlorophenol by the Fenton Reaction"; Chemosphere, vol. 30, pp. 9-20, 1995
- Norvell et al. "Reactions of EDTA Complexes of Fe, Zn, Mn and Cu with Soils"; Soil Science Society America Proceedings, vol. 33, pp. 86-91, 1969
- Norvell et al.; "Reactions of DTPA Chelates of Fe, Zn, Cu and Mn with Soils"; Soil Science Society America Proceedings, vol. 36, pp. 778-783, 1972
- Pignatello et al.; "Ferric Complexes as Catalysts for "Fenton" Degradation of 2,4-D and Metolachlor in Soil"; Journal of Environmental Quality, vol. 23, pp.365-370, 1994
- Pradhan et al.; "Pilot-Scale Bioremediation of PAH-Contaminated Soils"; Applied Biochemistry and Biotechnology, vol. 63-65, pp. 759-773, 1997
- Ravikumar et al.; "Chemical Oxidation of Chlorinated Organics by Hydrogen Peroxide in the Presence of Sand"; Environmental Science & Technology, vol. 28, 394-400, 1994

all considered



6/27/03

- Rush et al.; "The Reaction between Ferrous Polyaminocarboxylate Complexes and Hydrogen Peroxide: An Investigation of the Reaction Intermediates by Stopped Flow Spectrophotometry"; *Journal of Inorganic Biochemistry*, vol. 29, pp. 199-215; 1987
- Rush et al.; "Distinction between Hydroxyl Radical and Ferryl Species"; *Methods in Enzymology*, vol. 86, pp. 148-156, 1990
- Schirmann et al.; "Hydrogen Peroxide in Organic Chemistry"; chap. 5, 211 p., Edition Et Documentation Industrielle, 1979
- Schumb et al.; "Hydrogen Peroxide"; chaps 8 & 9, 759 p., American Chemical Society Monograph Series, 1955
- Sedlak et al.; "Oxidation of Chlorobenzene with Fenton's Reagent"; *Environmental Science & Technology*, vol. 25, pp. 777-782, 1991
- Sparks; "Soil Physical Chemistry"; chap. 4, 409 p., CRC Press, 1999
- Sposito; "The Chemistry of Soils"; chaps. 4 & 5, 277 p., Oxford University Press, 1989
- Stumm et al.; "Aquatic Chemistry, An Introduction Emphasizing Chemical Equilibria in Natural Waters"; Chap. 6, 583 p., John Wiley & Sons, 1970
- Stumm et al.; "Aquatic Chemistry, Chemical Equilibria and Rates in Natural Waters"; chap. 7, 1022 p., John Wiley & Sons, 1996
- Tyre et al.; "Treatment of Four Biorefractory Contaminants in Soils Using Catalyzed Hydrogen Peroxide"; *Journal of Environmental Quality*, vol. 20, pp. 832-838, 1991
- Voelker et al.; "Effects of Fulvic Acid on Fe(II) Oxidation by Hydrogen Peroxide"; *Environmental Science & Technology*, vol. 30, pp. 1106-1114, 1996
- Waite et al.; "Kinetics and Stoichiometry of Oxygen Release from Solid Peroxides"; *Environmental Engineering Science*, vol. 16, pp. 187-199, 1999
- Walling; "Fenton's Reagent Revisited"; *Accounts of Chemical Research*, vol. 8, pp. 125-131, 1975
- Walling et al.; "Fenton's Reagent. V. Hydroxylation and Side-Chain Cleavage of Aromatics"; *Journal of the American Chemical Society*, vol. 97, pp. 363-367, 1975
- Walling et al.; "The Oxidation of Mandelic Acid by Fenton's Reagent"; *Journal of the American Chemical Society*, vol. 104, pp. 1185-1189, 1982
- Watts et al.; "Treatment of Pentachlorophenol Contaminated Soils using Fenton's Reagent"; *Hazardous Waste Hazardous Materials*, vol. 7, pp. 335-345, 1990
- Watts et al.; "Treatment of Octachlorodibenzo-p-dioxin (OCDD) in Surface Soils Using Catalyzed Hydrogen Peroxide"; *Chemosphere*, vol. 23, pp. 949-956, 1991
- Watts et al.; "Hydrogen Peroxide for Physico-Chemically Degrading Petroleum-Contaminated Soils"; *Remediation*, vol. 2, pp. 413-425, 1992

all considered



6/27/03